

**IN THE SPECIFICATION:**

On page 34, please amend the last paragraph as follows:

$R_2$ [[,]] and  $R_3$ ,  ~~$R_4$~~  and  ~~$R_5$~~ , represent one or more substitutions to the ring to which each is attached, for each occurrence, independently represent hydrogen, halogens, alkyls, alkenyls, alkynyls, aryls, hydroxyl, =O, =S, alkoxy, silyloxy, amino, nitro, thiol, amines, imines, amides, phosphoryls, phosphonates, phosphines, carbonyls, carboxyls, carboxamides, anhydrides, silyls, ethers, thioethers, alkylsulfonyls, arylsulfonyls, selenoethers, ketones, aldehydes, esters, sugar (e.g., monosaccharide, disaccharide, polysaccharide, etc.), carbamate (e.g., attached to the steroid at oxygen), carbonate, or  $-(CH_2)_m-R_8$ ;

$R_4$  and  $R_5$ , independently for each occurrence, are absent or represent one or more substitutions to the ring to which each is attached, selected from hydrogen, halogens, alkyls, alkenyls, alkynyls, aryls, hydroxyl, =O, =S, alkoxy, silyloxy, amino, nitro, thiol, amines, imines, amides, phosphoryls, phosphonates, phosphines, carbonyls, carboxyls, carboxamides, anhydrides, silyls, ethers, thioethers, alkylsulfonyls, arylsulfonyls, selenoethers, ketones, aldehydes, esters, sugar, carbamate, carbonate, or  $-(CH_2)_m-R_8$ ;

On page 36, after the paragraph ending in "...pyridazine, etc." please insert the following paragraph:

In certain embodiments,  $R_2$  represents =O, sugar, carbamate, ester, carbonate, or alkoxy;  $R_3$ , for each occurrence, is an -OH, alkyl, -O-alkyl, -C(O)-alkyl, or -C(O)- $R_8$ ;  $R_4$ , for each occurrence, is absent, or represents -OH, =O, alkyl, -O-alkyl, -C(O)-alkyl, or -C(O)- $R_8$ ; and  $R_5$ , for each occurrence, is absent, or represents -OH, =O, or alkyl.

On page 38, after the paragraph ending in "...non-hydrogen atoms," please insert the following paragraph:

In certain embodiments,  $R_2$  represents =O, sugar, carbamate, ester, carbonate, or alkoxy;  $R_3$ , for each occurrence, is an -OH, alkyl, -O-alkyl, -C(O)-alkyl, or -C(O)- $R_8$ ;  $R_4$ , for each

occurrence, is absent, or represents -OH, =O, alkyl, -O-alkyl, -C(O)-alkyl, or -C(O)-R<sub>8</sub>; and R<sub>5</sub>, for each occurrence, is absent, or represents -OH, =O, or alkyl.

On page 40, after the paragraph ending in "...non-hydrogen atoms," please insert the following paragraph:

In certain embodiments, R<sub>2</sub> represents =O, sugar, carbamate, ester, carbonate, or alkoxy; R<sub>3</sub>, for each occurrence, is an -OH, alkyl, -O-alkyl, -C(O)-alkyl, or -C(O)-R<sub>8</sub>; R<sub>4</sub>, for each occurrence, is absent, or represents -OH, =O, alkyl, -O-alkyl, -C(O)-alkyl, or -C(O)-R<sub>8</sub>; and R<sub>5</sub>, for each occurrence, is absent, or represents -OH, =O, or alkyl.

On page 42, after the paragraph ending in "...non-hydrogen atoms," please insert the following paragraph:

In certain embodiments, R<sub>2</sub> represents =O, sugar, carbamate, ester, carbonate, or alkoxy; R<sub>3</sub>, for each occurrence, is an -OH, alkyl, -O-alkyl, -C(O)-alkyl, or -C(O)-R<sub>8</sub>; R<sub>4</sub>, for each occurrence, is absent, or represents -OH, =O, alkyl, -O-alkyl, -C(O)-alkyl, or -C(O)-R<sub>8</sub>; and R<sub>5</sub>, for each occurrence, is absent, or represents -OH, =O, or alkyl.